

IN THE CLAIMS:

Please amend claims 3 and 35 as follows.

The following is a complete listing of the claims in this application, reflects all changes currently being made to the claims, and replaces all earlier versions and all earlier listings of the claims:

1. (Original) A composition for use as an adhesive comprising:  
an extensin protein; and either  
a non-enzymatic bifunctional crosslinking agent; or  
a phenol oxidase and a phenol hydroxylase.
2. (Original) A composition for use as an adhesive comprising:  
an extensin protein;  
a non-enzymatic bifunctional crosslinking agent; and  
a phenol oxidase and a phenol hydroxylase.
3. (Currently Amended) A composition according to claim 1 or 2  
which further comprises a crosslinking cofactor when the composition comprises a phenol  
oxidase and a phenol hydroxylase.
4. - 6. (Cancelled)

7. (Previously Presented) A composition according to claim 3 in which the cofactor comprises a phenolic moiety which comprises at least one of a monohydroxy phenol group or a dihydroxy phenol group.

8. (Previously Presented) A composition according to claim 3 in which the cofactor is soluble in water.

9. (Previously Presented) A composition according to claim 7 in which the cofactor comprises catechin.

10. (Previously Presented) A composition according to claim 7 in which the cofactor comprises catechol.

11. (Previously Presented) A composition according to claims 1 or 2 in which the non-enzymatic bifunctional crosslinking agent comprises glutaraldehyde.

12. (Previously Presented) A composition according to claims 1 or 2 in which the non-enzymatic bifunctional crosslinking agent comprises a di-isocyanate.

13. (Previously Presented) A composition according to claim 12 in which the di-isocyanate is Trixene.

14. (Previously Presented) A composition according to claims 1 or 2 in which the non-enzymatic bifunctional crosslinking agent comprises a quinone.

15. (Previously Presented) A composition according to claim 14 in which the quinone is a benzoquinone.

16. (Previously Presented) A composition according to claims 1 or 2 in which the phenol oxidase and the phenol hydroxylase is a tyrosinase.

17. (Previously Presented) A composition according to claim 16 in which the tyrosinase is a mushroom tyrosinase.

18. (Previously Presented) A composition according to claim 17 in which the mushroom tyrosinase is *Agaricus bisporus* tyrosinase.

19. (Original) A composition for use as an adhesive which comprises:  
an extensin protein;  
a cofactor comprising a dihydroxy phenol group;  
a phenol oxidase; and optionally  
a non-enzymatic bifunctional crosslinking agent.

20. - 34. (Cancelled)

35. (Currently Amended) A pharmaceutical composition comprising a pharmaceutically active ingredient and a crosslinked adhesive composition according to any one of ~~claim~~ claims 1, 2 or 19.

36. - 41. (Cancelled)